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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patentees : Toshio YAMAMOTO, Shinji SANTO, and Yasuhide ITO
U.S. Patent No. : 6,903,483 *B2* Group Art Unit: 2834
Issue Date : June 7, 2005 Examiner: Hanh Nguyen
Title : **MOTOR**
Serial No. : 10/648,109
Filing Date : August 26, 2003
Entity Status : Large Entity
Our Docket : RR-552

CERTIFICATE UNDER 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to:

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Mail Stop Certificate of Correction
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on December 28, 2005

Charles Rodman
Attorney for Patentees

Mail Stop Certificate of Correction
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Certificate
JAN 04 2006
of Correction

REQUEST FOR CERTIFICATE OF CORRECTION

Sir:

Please issue a Certificate of Correction for this patent based on the corrections noted in the enclosed form PTO-1050.

A credit card payment form for the \$100 fee for the Certificate of Correction is enclosed.

Please charge our Deposit Account No. 18-1743 for any additional fees or credit any overpayment thereto.

JAN 06 2006

The error location in the patent, the correction requested and the application support for the correction requested are as follows:

Error Location In Patent	Correction Requested	Application Support
column 1, line 13	change "commentator" to --commutator--	page 1, line 15
column 1, line 13	delete "has" (second occurrence)	page 1, line 15
column 4, line 9	change "No 19" to --No. 19--	page 7, line 12
column 4, line 14	change "No 21" to --No. 21--	page 7, line 16
column 4, line 18	change "No 23" to --No. 23--	page 7, line 21
column 4, line 30	change "to corresponds-" to --corresponds--	page 7, line 33
column 7, line 52	change "17h to correspond" to --17h correspond--	page 14, line 24
column 11, line 48	change "521" to --52l--	page 22, line 25
column 11, line 57	change "551" to --55l--	page 22, line 34
column 11, line 58	change "521" to --52l--	page 22, line 35
column 11, line 60	change "551" to --55l--	page 23, line 2
column 14, line 53	delete "and wherein the supply brushes slide against the commutator"	Amendment dated December 10, 2004, page 4, claim 8, lines 13-14

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There were also errors made by the USPTO, as follows:

Error Location In Patent	Correction Requested	Application Support
column 4, line 3	change "17acon-" to --17a con--	page 7, lines 6-7
column 5, line 1	change "17bto" to --17b to--	page 9, line 4
column 14, line 14	change "arid" to --and--	page 28, claim 18, line 2
column 14, line 39	change "roles" to --poles--	Amendment dated December 10, 2004 page 4, claim 8, line 2
column 14, line 49	change "redetermined" to --predetermined--	Amendment dated December 10, 2004 page 4, claim 8, line 10
column 14, line 65	change "alone" to --along--	Amendment dated December 10, 2004 page 5, claim 8, line 22

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Patentees respectfully submit that correction of the above errors is supported by the file history of this application and the parent application Serial Number 10/648,109 filed August 26, 2003, and would not constitute new matter or require re-examination.

Please contact the undersigned if all of the foregoing errors are not deemed correctible by the attached Certificate of Correction.

Respectfully submitted,



Charles B. Rodman, Reg. No. 26,798
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Dated: December 28, 2005

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1025-41

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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 2

PATENT NO. : 6,903,483 *B2*
APPLICATION NO.: 10/648,109
ISSUE DATE : June 7, 2005
INVENTOR(S) : Toshio YAMAMOTO et al

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1

Line 13, change "commentator" to --commutator--
Line 13, delete "has" (second occurrence)

Column 4

Line 3, change "17acon" to --17a con--
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Line 30, change "to corresponds" to --corresponds--

Column 5

Line 1, change "17bto" to --17b to--

Column 7

Line 52, change "17h to correspond" to --17h correspond--

Column 11

Line 48, change "521" to --524--
Line 57, change "551" to --554--
Line 58, change "521" to --524--
Line 60, change "551" to --554--

MAILING ADDRESS OF SENDER (Please do not use customer number below):

**Rodman & Rodman
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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 2 of 2

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Column 14**Line 14, change "arid" to --and--****Line 39, change "roles" to --poles--****Line 49, change "redetermined" to --predetermined--****Line 53, delete "and wherein the supply brushes slide against the commutator"****Line 65, change "alone" to --along--**

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